===
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=9; day=28; hr=15; min=57; sec=18; ms=769;]
===

Application No: 10644703   Version No: 2.0

Input Set:

Output Set:

           Started: 2009-09-14 18:19:51.894
          Finished: 2009-09-14 18:19:53.727
           Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 833 ms
    Total Warnings: 22
      Total Errors: 0
No. of SeqIDs Defined: 22
  Actual SeqID Count: 22

Error code   Error Description

W   213   Artificial or Unknown found in <213> in SEQ ID (1)

W   213   Artificial or Unknown found in <213> in SEQ ID (2)

W   213   Artificial or Unknown found in <213> in SEQ ID (3)

W   213   Artificial or Unknown found in <213> in SEQ ID (4)

W   213   Artificial or Unknown found in <213> in SEQ ID (5)

W   213   Artificial or Unknown found in <213> in SEQ ID (6)

W   213   Artificial or Unknown found in <213> in SEQ ID (7)

W   213   Artificial or Unknown found in <213> in SEQ ID (8)

W   213   Artificial or Unknown found in <213> in SEQ ID (9)

W   213   Artificial or Unknown found in <213> in SEQ ID (10)

W   213   Artificial or Unknown found in <213> in SEQ ID (11)

W   213   Artificial or Unknown found in <213> in SEQ ID (12)

W   213   Artificial or Unknown found in <213> in SEQ ID (13)

W   213   Artificial or Unknown found in <213> in SEQ ID (14)

W   213   Artificial or Unknown found in <213> in SEQ ID (15)

W   213   Artificial or Unknown found in <213> in SEQ ID (16)

W   213   Artificial or Unknown found in <213> in SEQ ID (17)

W   213   Artificial or Unknown found in <213> in SEQ ID (18)

W   213   Artificial or Unknown found in <213> in SEQ ID (19)

W   213   Artificial or Unknown found in <213> in SEQ ID (20)

```
              Input Set:


              Output Set:



                Started:   2009-09-14 18:19:51.894
               Finished:   2009-09-14 18:19:53.727
                Elapsed:   0 hr(s) 0 min(s) 1 sec(s) 833 ms
         Total Warnings:   22
           Total Errors:   0
     No. of SeqIDs Defined:   22
      Actual SeqID Count:   22
```

Error code   Error Description

              This error has occured more than 20 times, will not be displayed

<110>   Brookhaven Science Associates
         BioSurface Engineering Technologies, Inc.
         Pena, Louis A.
         Zamora, Paul
         Lu, Xinhua
         Glass, John D.

<120>   Synthetic Heparin-Binding Growth Factor Analogs

<130>   30817-1008-CIP

<140>   10644703
<141>   2003-08-19

<150>   US 10/224,268
<151>   2002-08-20

<160>   22

<170>   PatentIn version 3.3

<210>   1
<211>   6
<212>   PRT
<213>   Artificial

<220>
<223>   Heparin-binding motif

<220>
<221>   misc_feature
<222>   (1)..(3)
<223>   LYS or ARG

<220>
<221>   misc_feature
<222>   (4)..(5)
<223>   any amino acid

<220>
<221>   misc_feature
<222>   (6)..(6)
<223>   LYS or ARG

<400>   1

Xaa Xaa Xaa Xaa Xaa Xaa
1   5

<210>   2
<211>   10
<212>   PRT
<213>   Artificial

<220>
<223> Heparin-binding domain of Z region

<400> 2

Arg Lys Arg Lys Leu Glu Arg Ile Ala Arg
1   5   10

<210> 3
<211> 10
<212> PRT
<213> Artificial

<220>
<223> Heparin-binding domain of Z region

<400> 3

Arg Lys Arg Lys Leu Gly Arg Ile Ala Arg
1   5   10

<210> 4
<211> 10
<212> PRT
<213> Artificial

<220>
<223> Heparin-binding domain of Z region

<400> 4

Arg Lys Arg Lys Leu Trp Arg Ala Arg Ala
1   5   10

<210> 5
<211> 11
<212> PRT
<213> Artificial

<220>
<223> Heparin-binding domain of Z region

<400> 5

Arg Lys Arg Lys Leu Glu Arg Ile Ala Arg Cys
1   5   10

<210> 6
<211> 15
<212> PRT
<213> Artificial

<220>
<223>   Synthetic FGF-2 analog

<400>   6

Tyr Arg Ser Arg Lys Tyr Ser Ser Trp Tyr Val Ala Leu Lys Arg
1   5   10   15

<210>   7
<211>   28
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic FGF-2 analog

<400>   7

Asn Arg Phe His Ser Trp Asp Cys Ile Lys Thr Trp Ala Ser Asp Thr
1   5   10   15

Phe Val Leu Val Cys Tyr Asp Asp Gly Ser Glu Ala
            20   25

<210>   8
<211>   17
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic FGF-1 analog

<400>   8

Tyr Ile Ser Lys Lys His Ala Glu Lys Asn Trp Phe Val Gly Leu Lys
1   5   10   15

Lys

<210>   9
<211>   15
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic FGF-1 analog

<400>   9

His Ile Gln Leu Gln Leu Ser Ala Ser Glu Val Gly Glu Val Tyr
1   5   10   15

<210> 10
<211> 20
<212> PRT
<213> Artificial

<220>
<223> Synthetic FGF-7 analog

<400> 10

Tyr Ala Ser Ala Lys Trp Thr His Asn Gly Gly Glu Met Phe Val Ala
1   5   10   15

Leu Asn Gln Lys
            20

<210> 11
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Synthetic FGF-7 analog

<400> 11

Tyr Asn Ile Met Glu Ile Arg Thr Val Ala Val Gly Ile Val Ala
1   5   10   15

<210> 12
<211> 20
<212> PRT
<213> Artificial

<220>
<223> Synthetic VEGF analog

<400> 12

Ala Pro Met Ala Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys
1   5   10   15

Phe Met Asp Val
            20

<210> 13
<211> 11
<212> PRT
<213> Artificial

<220>
<223>   Synthetic VEGF analog

<400>   13

Gly Ala Thr Trp Leu Pro Pro Asn Pro Thr Lys
1   5   10

<210>   14
<211>   20
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic VEGF analog

<400>   14

Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu Tyr
1   5   10   15

Leu His His Ala
            20

<210>   15
<211>   13
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic BMP analog

<400>   15

Leu Tyr Val Asp Phe Ser Asp Val Gly Trp Asn Asp Trp
1   5   10

<210>   16
<211>   15
<212>   PRT
<213>   Artificial

<220>
<223>   Synthetic BMP analog

<400>   16

Ala Ile Ser Met Leu Tyr Leu Asp Glu Asn Glu Lys Val Val Leu
1   5   10   15

<210>   17
<211>   17

<212> PRT
<213> Artificial

<220>
<223> Synthetic BMP analog

<400> 17

Ile Ser Met Leu Tyr Leu Asp Glu Asn Glu Lys Val Val Leu Lys Asn
1   5   10   15

Tyr

<210> 18
<211> 15
<212> PRT
<213> Artificial

<220>
<223> Synthetic BMP analog

<400> 18

Glu Lys Val Val Leu Lys Asn Tyr Gln Asp Met Val Val Glu Gly
1   5   10   15

<210> 19
<211> 16
<212> PRT
<213> Artificial

<220>
<223> Synthetic BMP analog

<400> 19

Leu Val Val Lys Glu Asn Glu Asp Leu Tyr Leu Met Ser Ile Ala Cys
1   5   10   15

<210> 20
<211> 16
<212> PRT
<213> Artificial

<220>
<223> Synthetic BMP analog

<400> 20

Ala Phe Tyr Cys His Gly Glu Cys Pro Phe Pro Leu Ala Asp His Leu
1   5   10   15

<210> 21
<211> 23
<212> PRT
<213> Artificial

<220>
<223> Synthetic BMP analog

<400> 21

Pro Phe Pro Leu Ala Asp His Leu Asn Ser Thr Asn His Ala Ile Val
1   5   10   15

Gln Thr Leu Val Asn Ser Val
            20

<210> 22
<211> 29
<212> PRT
<213> Artificial

<220>
<223> Synthetic heparin-binding growth factor analog specific for FGF-2
      with heparin-binding region

<220>
<221> MISC_FEATURE
<222> (17)..(19)
<223> 6-aminohexanoic acid

<400> 22

Tyr Arg Ser Arg Lys Tyr Ser Ser Trp Tyr Val Ala Leu Lys Arg Thr
1   5   10   15

Xaa Xaa Xaa Arg Lys Arg Lys Leu Glu Arg Ile Ala Arg
            20   25